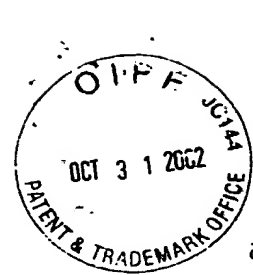


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FIG. 1A (SEQ ID NO: 1)



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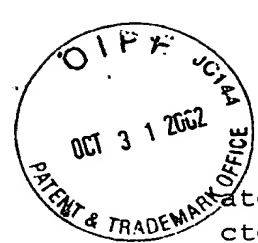
FIG.1B



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DSNLSHFILVESGALSGNDGLTELQSLSEKHISQORTGYGGTSCIQIPVLCLLVNGDPNTLERISRAVEQAAPWLILAGSGGIADVLA
ALVSQPHLLVPQVAEKQFREKFPSECFWEAIVHWTELLQNIAAHPHLLTVYDFEQEGSEDLDTVILKALVKACKSHSQEAQDYLDLKL
LAVAWDRVDIAKSEIFNGDVEWKSCDLEEVMTDALVSNKPDFVRLFVDSGADMAEFLTYGRLLQQLYHSVSPKSLFELLQRKHEEGRLL
LAGLGAQQAARELPICLPFSLHEVSRVLKDFLHDACRGFYQDGRMEERGPPKRPAGQKWLPDLRSKSEDPWRDLFLWAVLQNRVEMAT
YFWAMGREGVAAALAAACKIIKEMSHLEKEAEVARTMREAKYEQALDLFSECYGNSEDRAFALLVRRNHWSRRTTCLHLATEADAKAFF
AHDGVQAFLLTKIWWGDMATGTPILRLGAFTCPALIYTNLISFSEDAQORMDLEDLQEPDSDLMEKSFCSRGGQLEKLTEAPRAPGDL
GPQAAFLLLTRWRKFWGAPVTVFLGNVVMYFAFLFTYVLLVDFRPPPPQCPGSGSEVTLYFWVFTLVLEEIRQGFFTTDETHLVKKFTLY
VEDNWNKCDMVAIFLFIUGVTCRMVPSVFEAGRTVLAIDFMVFTLRLIHIFAIHKQLGPKIIIVERMMKDVFFFLFVSVWLVAYGVTT
QALLHPHGRLEWIFRRVLYRPLYQIFGQIPLDEIDEARVNCSLHPLLESASCPNLYANWLVILLVTFLLVTNVLNLLIAMFSY
TFQVVQGNADMFWKFRYHLIVEYHGRPALAPPFILLSHLSVLKQVFRKEAQHKRQHLELDLPDPLDQKIIITWETVQKENFLSTMEKR
RRDSEGEVLRKTAHRVDLIAKYIGGLREQEKRICKLESQANYCMLLLSSMTDTLAPGGTYSQQNGCRSQPASARDREYLESGLPSPD
T

FIG.2
(SEQ ID NO: 2)



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atgcaggatg .tccaaggccc ccgfcccgga agccccgggg atgctgaaga ccggcgggag
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FIG. 3A (SEQ ID NO: 3)



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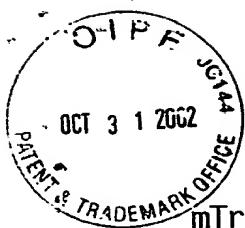
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cctccctcgg acacatga

FIG.3B

MQDVQGPRPG SPGDAEDRRE LGLHRGEVNF GSGGKKRGKF VRVPSGVAPS
VLFDLLLAEW HLPAPNLVVS LVGEEQPFAM KSWLRDVLK GLVKAAQSTG
AWILTSALRV GLARHVGQAV RDHSLASTST KVRVAVGMA SLGRVLHRR
LEEAEQDFPV HYPEDDGGSQ GPLCSLDSNL SHFILVEPGP PGKGDGLTEL
RLRLEKHISE QRAGYGGTGS IEIPVLCCLV NGDPNTLERI SRAVEQAAPW
LILVGSGGIA DVLAALVNQP HLLVPKVAEK QFKEKFPSKH FSWEDIVRWT
KLLQNITSHQ HLLTVYDFEQ EGSEELDTVI LKALVKACKS HSQEPQDYLD
ELKLAVAWDR VDIKSEIFN GDVEWKSCDL EEVMVDALVS NKPEFVRLFV
DNGADVADFL TYGRLQELYR SVSRKSLLFD LLQRKQEEAR LTLAGLGTQQ
AREPPAGPPA FSLHEVSRVL KDFLQDACRG FYQDGRPGDR RRAEKGPAPK
PTGQKWLLDL NQKSENPRWD LFLWAVLQNR HEMATYFWAM GQEGVAAAAL
ACKILKEMSH LETEAEEARA TREAKYERLA LDFSECYSN SEARAFALLV
RRNRCWSKTT CLHLATEADA KAFFAHDGVQ AFLTRIWWGD MAAGTPILRL
LGAFLCPALV YTNLITFSEE APLRTGLEDL QDLDSLDEK SPLYGLQSRV
EELVEAPRAQ GDRGPRAVFL LTRWRKFWGA PVTVFLGNV MYFAFLFLFT
YVLLVDFRPP PQGPSGPEVT LYFWVFTLV EEIRQGFFTD EDTHLVKKFT
LYVGDNWNKC DMVAIFLFIV GVTCRMLPSA FEAGRTVLAM DFMVFTLRLI
HIFAIHKQLG PKIIVVERMM KDVFFFLFFL SVWLVAVGVT TQALLHPHDG
RLEWIFRRVL YRPYLQIFGQ IPLDEIDEAR VNCSTHPLLL EDSPSCPSLY
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IVEYHERPAL APPFILLSHL SLTLRRVFKK EAEHKREHLE RDLDPDLDQK
VVTWETVQKE NFLSKMEKRR RDSEGEVLRK TAHRVDFIAK YLGGLREQEK
RIKCLESQIN YCSVLVSSVA DVLAQGGGPR SSQHCGECSQ LVAADHRGGL
DGWEQPGAGQ PPSDT*

FIG.4

(SEQ ID NO: 4)



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mTrp8
hTRP8

MQTTQSSCPGSPDTEGWEPILCRGEINFGGSGKKRGKFVKVPSSVAPSVLFELLTEW 60
MQDVQGPRPGSPGDAEDRRELGLHRGEVNFSGGSGKKRGKFVRVPSGVAPSVLFDLLLAEW 60
.*.***.**.*.*.***:*****:***.*****:***:**

mTrp8
hTRP8

HLPAPNLVVSLVGEERPLAMKSWLRDVLKGLVKAAQSTGAWILTSALHVGLARHVGQAV 120
HLPAPNLVVSLVGEEQPFAMKSWLRDVLKGLVKAAQSTGAWILTSALRVGLARHVGQAV 120
*****:*.*****:*****

mTrp8
hTRP8

RDHSLASTSTKIRVVAIGMASLDRILHRQLLDGVHQKEDTPIHYPADEGNIQGPLCPLDS 180
RDHSLASTSTKVRVAVGMASLGRVLHRRILEEAQ--EDFPVHYPEDDGSGQPLCSLDS 178
*****:***:*****:***:*.:. ***.***:*. *****.***

mTrp8
hTRP8

NLSHFILVESGALGSGNDGLTELQLSLEKHISQORTGYGGTSCIQIPVLCLLVNGDPNTL 240
NLSHFILVEPGPPGKG-DGLTELRLRLEKHISEQRAGYGGTGSIEIPVLCLLVNGDPNTL 237
*****.*.*.*****:*.*****:***:*****.*:*****

mTrp8
hTRP8

ERISRAVEQAAPWLILAGSGGIADVLAALVSQPHLLVPQVAEKQFREKFPSECFSEWAIIV 300
ERISRAVEQAAPWLILVGSGGIADVLAALVNQPHLLVPKVAEKQFKEKFPKHFSEWEDIV 297
*****.*****.*****:*****:*****:***** **

mTrp8
hTRP8

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RWTKLLQNITSHQHLLTVYDFEQEGSELDTVILKALVKACKSHSQEPQDYLDLKLAVA 357
*:*****:*.*****:*****:*****

mTrp8
hTRP8

WDRVDIAKSEIFNGDVEWKSCDLEEVMTDALVSNKPDFVRLFVDSGADMAEFLTYGRLQQ 420
WDRVDIAKSEIFNGDVEWKSCDLEEVMDALVSNKPEFVRLFVDNGADVADFLTYGRLQE 417
*****:*****:*****:***:*.*****:

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hTRP8

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LYRSVSRKSLLFDLLQRKQEEARLTLAGLGTQQAREPPAGPPAFSLHEVSRVLKDFLQDA 477
.*.*.*****:*****:*.*****:***** ** *****:***

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hTRP8

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CRGFYQDGRPGDRRRAEKGPAPKPTGQKWLLDLNQKSENWRDLFLWAVLQNRHEMATYF 537
***** *.*.***.***** **.*.*****:*****

mTrp8
hTRP8

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*****:*****:*****.***.***:*****:*****:*** *****

FIG.5

(SEQ ID NO: 6)